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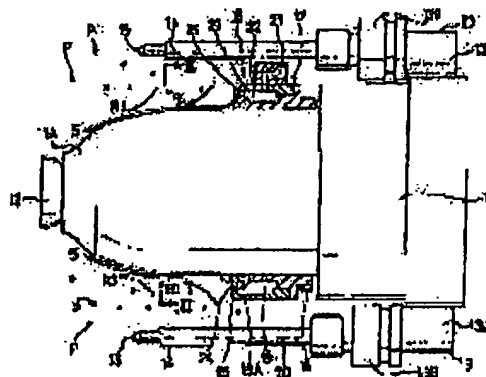
TAKAYAMA SHINICHI

(54) ELECTROSTATIC COATER

(57)Abstract:

PURPOSE: To improve the operating efficiency, reliability, etc., of coating operation by forming the flow of air in tight contact with the surface of a casing, thereby effectively preventing the adhesion of coating material particles floating circumferentially to the surface of the casing.

CONSTITUTION: This electrostatic coater is constituted by providing an air ejector 16 consisting of a cylindrical body 17 which consists of an inner cylindrical part 19 and an outer cylindrical part 20 and is internally formed with an annular flow passage 22 and plural air ejection holes 25 which are provided apart a prescribed angle circumferentially within an annular groove part 24 formed in a cap part and are bored with an inclination by a prescribed angle on the casing 11 side to the outer peripheral side of the casing 1. As a result, the air is supplied through a throttling passage 23 to the respective air ejection holes 25 when the air is supplied into the annular flow passage 22. The air is then ejected with the inclination by the prescribed angle from the respective air ejection holes 25 toward the casing 11 and forms the tight contact flow S flowing toward the front end side while coming into tight contact with the surface of the casing 11.



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